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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/937,899

DATE: 10/30/2001

TIME: 13:25:27

Input Set : A:\sequencelist.app

Output Set: N:\CRF3\10302001\I937899.raw

ENTERED

3 <110> APPLICANT: Hormos Medical Oy Ltd  
 5 <120> TITLE OF INVENTION: Diagnosis of a Person's Risk of Developing  
 6 Atherosclerosis or Diabetic Retinopathy Based on Leucine  
 7 7 to Proline 7 Polymorphism in the Prepro-Neuropeptide  
 8 Y Gene.

10 <130> FILE REFERENCE: AP2617  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/937,899  
 C--> 13 <141> CURRENT FILING DATE: 2001-09-28

RECEIVED

DEC 14 2001

TECH CENTER 1600/2900

15 &lt;150&gt; PRIOR APPLICATION NUMBER: US 09/291,994

16 &lt;151&gt; PRIOR FILING DATE: 1999-04-15

18 &lt;160&gt; NUMBER OF SEQ ID NOS: 6

20 &lt;170&gt; SOFTWARE: PatentIn Ver. 2.0

22 &lt;210&gt; SEQ ID NO: 1

23 &lt;211&gt; LENGTH: 325

24 &lt;212&gt; TYPE: DNA

25 &lt;213&gt; ORGANISM: Homo sapiens

27 &lt;400&gt; SEQUENCE: 1

28 ccgcttcgtc aggcaagtgc tggggggggg ggggtgggt gtgggtggct ccctaagtgc 60  
 30 acactcggtc ggctcggtt ccagccccct ccccccgcga ctcagggggc ggaagtggcg 120  
 32 ggtggggatgc acccaagcgt gactgcccga ggccctctt gccgcggcga ggaagctcca 180  
 34 taaaagccct gtcgcgaccc gctctctgca cccatccgc tggctctcac ccctcggaga 240  
 36 cgctcgcccg acagcatagt acttgcgcgc cagccacgccc cgccgcggcag ccaccgtgag 300  
 38 tgctacgacc cgtctgtcta ggggt 325

41 &lt;210&gt; SEQ ID NO: 2

42 &lt;211&gt; LENGTH: 247

43 &lt;212&gt; TYPE: DNA

44 &lt;213&gt; ORGANISM: Homo sapiens

46 &lt;400&gt; SEQUENCE: 2

47 cccgtccgtt gaggcctctg tgccctgcaga tgcttagtaa caagcgactg gggctgtccg 60  
 49 gactgaccct cggccctgtcc ctgctctgtgt gcctgggtgc gctggccgag gcgtaccct 120  
 51 ccaagccgga caacccgggc gaggacgcac cagcggagga catggccaga tactactcag 180  
 53 cgctcgacca ctacatcaac ctcatcacca ggcagagggt ggtgggaccg cgggaccgat 240  
 55 tccggga 247

58 &lt;210&gt; SEQ ID NO: 3

59 &lt;211&gt; LENGTH: 142

60 &lt;212&gt; TYPE: DNA

61 &lt;213&gt; ORGANISM: Homo sapiens

63 &lt;400&gt; SEQUENCE: 3

64 acttgcttta aaagactttt tttttccag atatggaaaa cgatctagcc cagagacact 60  
 66 gatttcagac ctcttgatga gagaaggcac agaaaatgtt cccagaactc ggtatgacaa 120  
 68 ggcttgtat ggggacattt tt 142

71 &lt;210&gt; SEQ ID NO: 4

72 &lt;211&gt; LENGTH: 300

73 &lt;212&gt; TYPE: DNA

74 &lt;213&gt; ORGANISM: Homo sapiens

76 &lt;400&gt; SEQUENCE: 4

77 ctttacatgc tttgcttctt atgttttaca ggcttgaaga ccctgcaatg tggtgatggg 60

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79 aaatgagact tgctctctgg cctttccta tttttagccc atatttcatc gtgtaaaacg 120  
81 agaatccacc catcctacca atgcattgcag ccactgtgct gaattctgca atgtttcct 180  
83 ttgtcatcat tgtatatatg tgtgtttaaa taaagtatca tgcattcaaa agtgtatcct 240  
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89 <211> LENGTH: 551  
90 <212> TYPE: DNA  
91 <213> ORGANISM: Homo sapiens  
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94 <221> NAME/KEY: CDS  
95 <222> LOCATION: (87)..(377)  
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98 <221> NAME/KEY: sig\_peptide  
99 <222> LOCATION: (87)..(170)  
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102 accccatccg ctggctctca cccctcgag acgctcgccc gacagcatag tacttgcgc 60  
104 ccagccacgc cgcgcgcca gccacc atg cta ggt aac aag cga ctg ggg ctg 113  
105 Met Leu Gly Asn Lys Arg Leu Gly Leu  
106 1 5  
108 tcc gga ctg acc ctc gcc ctg tcc ctg ctc gtg tgc ctg ggt ggc ctg 161  
109 Ser Gly Leu Thr Leu Ala Leu Ser Leu Leu Val Cys Leu Gly Ala Leu  
110 10 15 20 25  
112 gcc gag gcg tac ccc tcc aag ccg gac aac ccg ggc gag gac gca cca 209  
113 Ala Glu Ala Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro  
114 30 35 40  
116 gcg gag gac atg gcc aga tac tac tcg gcg ctg cga cac tac atc aac 257  
117 Ala Glu Asp Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn  
118 45 50 55  
120 ctc atc acc agg cag aga tat gga aaa cga tcc agc cca gag aca ctg 305  
121 Leu Ile Thr Arg Gln Arg Tyr Gly Lys Arg Ser Ser Pro Glu Thr Leu  
122 60 65 70  
124 att tca gac ctc ttg atg aga gaa agc aca gaa aat gtt ccc aga act 353  
125 Ile Ser Asp Leu Leu Met Arg Glu Ser Thr Glu Asn Val Pro Arg Thr  
126 75 80 85  
128 cgg ctt gaa gac cct gca atg tgg tgatggaaa tgagacttgc tctctggcct 407  
129 Arg Leu Glu Asp Pro Ala Met Trp  
130 90 95  
132 ttccattt tcagccata ttcatcgta taaaacgaga atccacccat cctaccaatg 467  
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136 gtttaataaa agtacatgc attc 551  
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140 <211> LENGTH: 97  
141 <212> TYPE: PRT  
142 <213> ORGANISM: Homo sapiens  
144 <400> SEQUENCE: 6  
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146 1 5 10 15  
148 Ser Leu Leu Val Cys Leu Gly Ala Leu Ala Glu Ala Tyr Pro Ser Lys  
149 20 25 30

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151 Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr  
152 35 40 45  
154 Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr  
155 50 55 60  
157 Gly Lys Arg Ser Ser Pro Glu Thr Leu Ile Ser Asp Leu Leu Met Arg  
158 65 70 75 80  
160 Glu Ser Thr Glu Asn Val Pro Arg Thr Arg Leu Glu Asp Pro Ala Met  
161 85 90 95  
163 Trp

**VERIFICATION SUMMARY**

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L:12 M:270 C: Current Application Number differs, Replaced Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date